production of bio-diesel This Institute has been advised to submit a formal proposal giving necessary technical details for examination by the Ministry

(c) and (d) Do not arise

Assessment of hydro power generation capacity

†2305 SHRI HARISH RAWAT Will the Minister of POWER be pleased to state

(a) whether hydro power generation capacity has been assessed with regard to various States,

(b) if so, the details thereof,

(c) whether any plan has been prepared for exploitation of the said available capacity, and

(d) if so, the details for hydro power projects to be set up during the present five year plan period in various States including Uttaranchal in the private sector as well as in by State and Central Sector?

THE MINISTER OF POWER (SHRI P.M SAYEED). (a) The "Re-assessment studies of hydro-electric potential of the country", have placed the hydro power potential at 84,044 MW at 60% load factor corresponding to probable installed capacity of 1,48,701 MW

(b) The State-wise details are given in the enclosed Statement (*See* below)

(c) At present 29,625 MW of hydro electric projects are under operation 15,278 MW of hydro electric schemes are under construction. Further 17 Nos of schemes with total installed capacity of about 6,217 MW have been cleared/approved by Central Electricity Authority. Under 50,000 MW Hydro-electric Inititative, Central Electricity Authority has undertaken preparation of Preliminary Feasibility Reports of 162 Hydroelectric Schemes spread across 16 States with total installed capacity of about 48,088 MW. As a follow up of preparation of PFRs, detailed survey & investigation and preparation of Detailed Project Reports (DPRs) for attractive schemes,

†Original notice of the question was received in Hindi

selected from the PFRs schemes is being taken up thereby providing a shelf of projects for execution in the near future.

(d) Hydro capacity addition of 14,393 MW has been programmed for commissioning in Tenth Plan (2002-07). The Sector-wise hydro capacity targeted to be added during Tenth Plan period for the country and Uttaranchal is given below:

Sector	All India (MW)	Uttaranchal (MW)
Central Sector	8742	2680
State Sector	4481	304
Private Sector	1170	400
TOTAL:	14393	3384

The Sector-wise details of above hydro-electric schemes are given in the enclosed statement-II.

Statement-I

State-Wise Details of Hydro Electric Potential

Sl.No.	Region/State	identified Capacity as per re-assessment (MW)
NORTHERN		
1.	Jammu & Kashmir	14146
2.	Himachal Pradesh	18820
3.	Punjab	971
4.	Haryana	64
5.	Rajasthan	496
6.	Uttaranchal	18175
7.	Uttar Pradesh	723
Sub Total (NR)		53395
WESTERN		
8.	M.P. & Chhattisgarh	4485

Sl.No.	Region/State	identified Capacity as per re-assessment (MW)
9.	Gujarat	619
10.	Maharashtra	3769
11.	Goa	55
Sub Total (WR)		28
SOUTHERN		
12.	Andhra Pradesh	4424
13.	Karnataka	6602
14.	Kerala	3514
15.	Tamil Nadu	1918
Sub. Total (SR)		16458
EASTERN		
16.	Jharkhand	753
17.	Bihar	70
18.	Orissa	2999
19.	West Bengal	2841
20.	Sikkim	4286
Sub Total (ER)		10949
NORTH EASTERN		
21.	Meghalaya	2394
22.	Tripura	15
23.	Manipur	1784
24.	Assam	680
25.	Nagaland	1574
26.	Arunachal Pradesh	50328
27.	Mizoram	2196
Sub Total (NER)		58971
ALL INDIA		148701

Statement -II

10th Plan (2002-2007): Original Commissioning programme of Hydro Capacity addition — Sector-wise

(excluding renewable and projects up to 25 MW capacity under MNES)

Sl.No.	Name of Project/State		Capacity addition targeted during 10th Plan (MW)
Central Sector (C.S.)			
N.H.P.C.			
1.	Dhauliganga-I Uttaranchal.		280
2.	Chamera Stage-II Himachal Pradesh		300
3.	Dulhasti Jammu & Kashmir		390
4.	Teesta-V Sikkim		510
5.	Sewa-II Jammu & Kashmir		120
6.	Teesta Low dam-III W.B.		13
7.	Teesta Low Dam-IV West Bengal		168
8.	Bav-II Maharashtra		37
Sub Total N.H.P.C. (alone)			1937
9.	Indira Sagar Madhya Pradesh		1000
10.	Omkrareshwar Madhya Pradesh		520
11.	Purlia PSS West Bengal		900
12.	Naptha Jhakri H.P.	(Joint Venture)	1500

Sl.No.	Name of Project	Capacity addition targeted during 10th Plan (MW)
13.	Rampur H.E. Project Himachal Pradesh (Joint Venture)	400
Sub Total N.J.P.C.		1900
T.H.D.C.		
14.	Tehri St.I Uttaranchal	1000
15.	Tehri St. 2 PSS Uttaranchal	1000
16.	Koteshwar Uttaranchal	400
Sub Total THDC		2400
N.E.E.P.CO.		
17.	Kopili St-II, Assam	25
18.	Tuirial, Mizoram	60
Sub Total N.E.E.P.C.O.		85
TOTAL.C.S.		8742
State Sector (S.S.)		
Northern Region (NR)		
1.	Larji, H.P.	126
2.	Kashang-I, H.P.	66
3.	Baglihar, Jammu & Kashmir	450
4.	Shahpurkandi, Punjab	168
5.	Maneri Bhali-II, Uttaranchal	304
Sub Total S.S. (NR)		1114

Sl.No.	Name of Project	Capacity addition targeted during Tenth Plan (MW)
Western Region (WR)		
6.	Sardar Sarovar Guj./Mah/M.P. Gujarat	1450
7.	Madhikheda Madhya Pradesh	40
8.	Bansagar Tons PH-II, PH-III; Madhya Pradesh	15 20
9.	Bansagar Tons PH-IV Madhya Pradesh	20
10.	Ghatghar PSS Maharashtra	250
Sub Total S.S. (WR)		1795
Southern Region (SR)		
11.	Priyadarshini Jurala Andhra Pradesh	78.2
12.	Srisailam LBPH Andhra Pradesh	450
13.	Almatti Dam Karnataka	290
14.	Kuttiyadi Aug. Kerala	100
15.	Pykara Ultimate Tamil Nadu	150
16.	Bhawani Kattalai Barrage I, II & III Tamil Nadu	90
Sub Total S.S. (S.R.)		1158.2
Eastern Region (ER)		
17.	Balimela Ext, Orissa	150
Sub. Total (ER)		
N.E.R		
18.	Karbi langpi (Lower Borpani) Assam	100
19.	Myntdu-Leishka St-I Meghalaya	84
20.	Bairabi Dam, Mizoram	80

Sl.No.	Name of Project	Capacity addition targeted during Tenth Plan (MW)
Sub Total (NER)		264
Total (S.S.)		4481.2
Private Sector (PS)		
1.	Baspa-II H.P.	300
2.	Dhamwari Sunda H.P.	70
3.	Vishnu Praayag Uttaranchal	400
4.	Maheshwar M.P.	400
SUB TOTAL-PVT		1170
Total All India :		14393.2

Setting up of power projects in Nagaland

2306. SHRI T.R. ZELIANG: Will the Minister of POWER be pleased to state:

(a) the details of proposal pending with the Union Government for sanction and clearance for setting up of power projects in the State of Nagaland;

(b) at what stage these projects have been pending, project-wise; and

(c) the steps taken to expedite the clearance of these projects?

THE MINISTER OF POWER (SHRI P.M. SAYEED) (a)to (c) No, proposal of setting up of any Thermal/Hydro electric Project is pending in Central Electricity Authority (CEA) for Techno-Economic Clearance (TEC).

However, a Detailed Projects Report (DPR) of Dikhu multi-purpose Project (3x40 MW) was received in CEA in April, 2002. As the proposal was for multipurpose Project, the DPR is to be first approved by Technical Advisory Committee (TAC) of Ministry of Water Resources. Accordingly, the